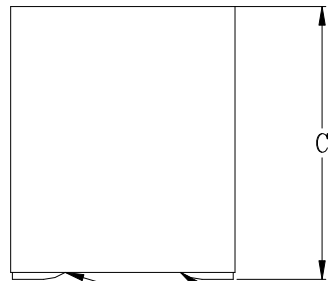
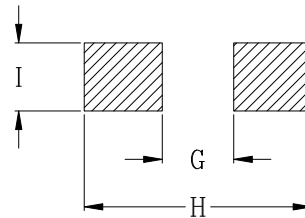
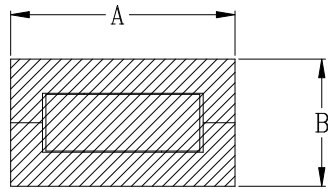




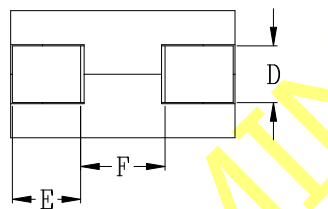
**DELTA P/N : HCME1012(F) series**

**Mechanical dimensions**



DCR measure points

- UNIT : mm  
 A = 10.0 MAX  
 B = 6.0 MAX  
 C = 12.0 MAX  
 D = 2.4  
 E = 2.95  
 F = 3.65  
 G = 3.9  
 H = 10.3  
 I = 3.3



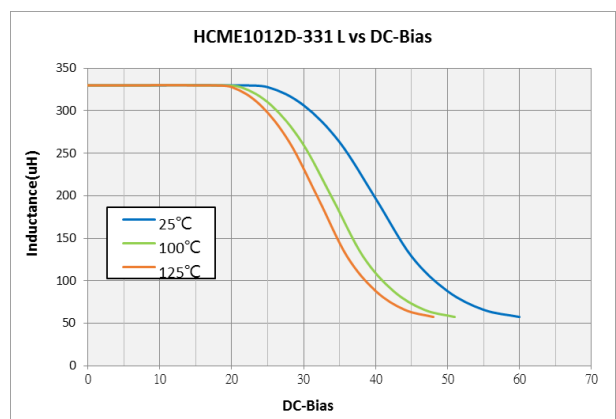
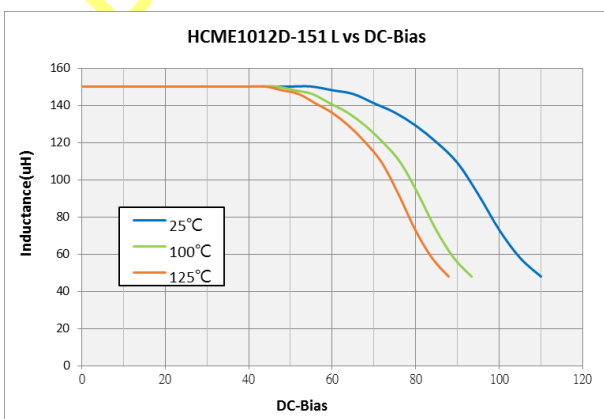
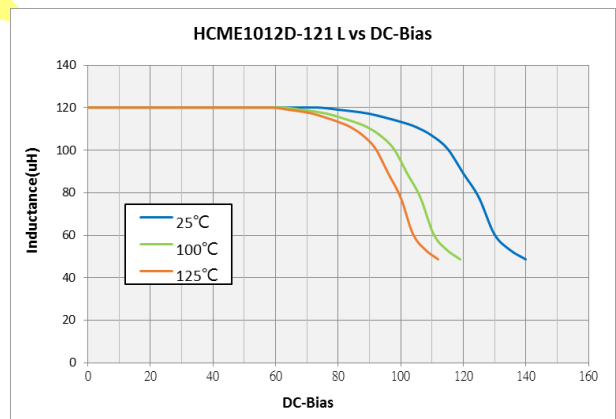
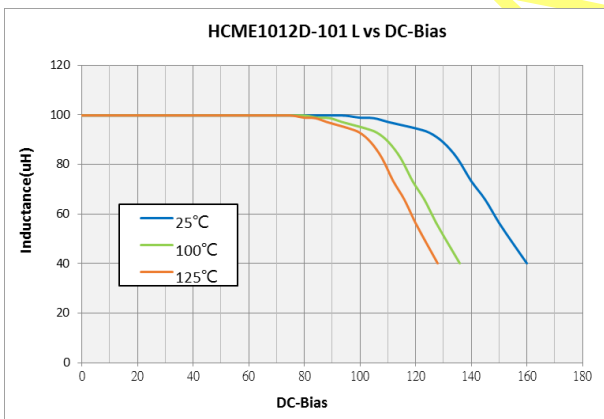
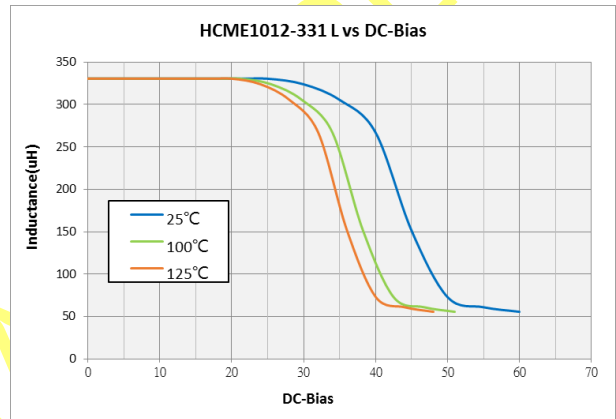
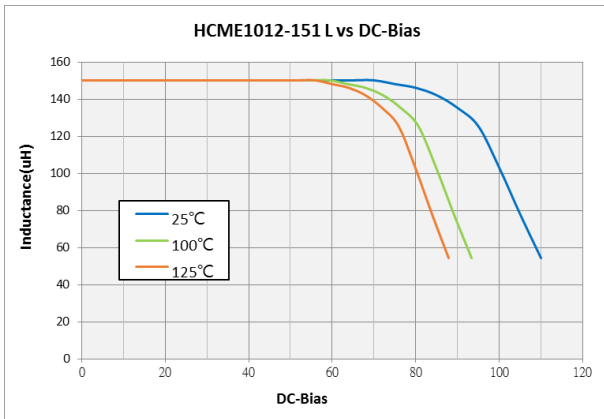
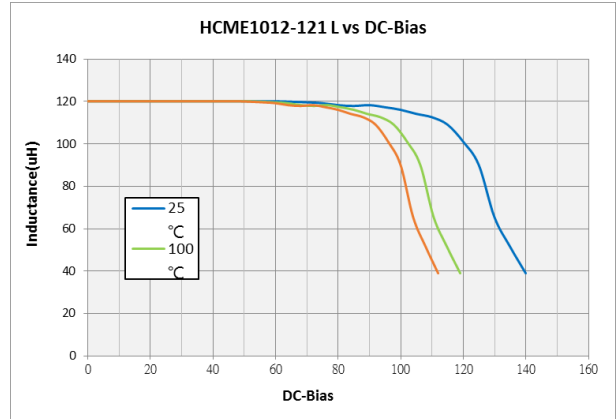
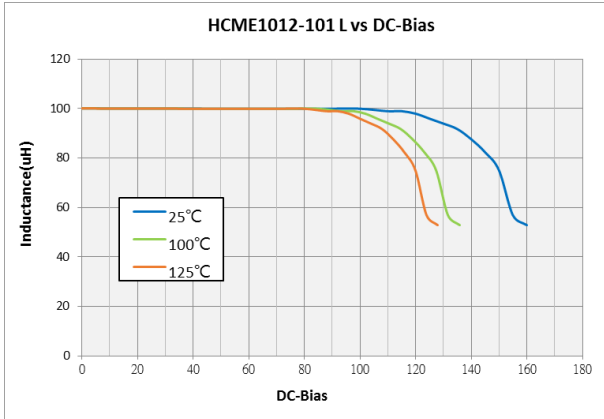
**Electrical Characteristics @ 25°C, 100kHz, 1V**

| Delta P/N     | L<br>(nH) | Li<br>(nH)<br>MIN | DCR<br>(mΩ)<br>± 10% | Isat <sup>1</sup><br>(A) |       |       | Ir <sup>2</sup><br>(A) |
|---------------|-----------|-------------------|----------------------|--------------------------|-------|-------|------------------------|
|               |           |                   |                      | 25°C                     | 100°C | 125°C |                        |
| HCME1012-700  | 70        | 49                | 0.125                | 178                      | 144   | 133   | 77                     |
| HCME1012-101  | 100       | 70                |                      | 125                      | 105   | 97    |                        |
| HCME1012-121  | 120       | 84                |                      | 105                      | 88    | 81    |                        |
| HCME1012-151  | 150       | 105               |                      | 83                       | 70    | 65    |                        |
| HCME1012-331  | 330       | 231               |                      | 35                       | 28    | 26    |                        |
| HCME1012F-700 | 70        | 49                |                      | 169                      | 144   | 133   |                        |
| HCME1012F-101 | 100       | 70                |                      | 123                      | 105   | 98    |                        |
| HCME1012F-121 | 120       | 84                |                      | 103                      | 88    | 82    |                        |
| HCME1012F-151 | 150       | 105               |                      | 82                       | 70    | 66    |                        |
| HCME1012F-331 | 330       | 231               |                      | 33                       | 28    | 26    |                        |

1. Tolerance of inductance : ± 10% for 120nH~330nH, ± 15% for 90nH~100nH,
2. Isat is the DC current which causes the inductance drop to Li.
3. Ir is the DC current with ΔT approximately 40 °C.
4. Operating temperature: -40°C to 125°C (Self-temperature rise included).



### L vs DC Bias curves.





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